

Providing Well Rehabilitation & Revolutionary Preventive Well Maintenance Solutions From Coast to Coast



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We understand clean water is a **necessity**, playing a **vital role in our everyday lives.**

 subsurfacetech.com

Eco Solutions for **Well Water Services**

About Subsurface Technologies

Started in 1987 Subsurface Technologies is the preeminent expert on well rehabilitation and preventive well maintenance in the United States and around the globe. Over the last 35 years, **Subsurface Technologies has pioneered the use of innovative and clean technologies to rehabilitate and preserve wells.**

Subsurface Technologies continues to grow its California presence. While our patented technology and approach have been used in California for decades, well operators can now get the skills and expertise for both Aqua Freed® and Aqua Gard® directly from the company who developed and perfected this approach.

We offer a combination of services to protect the long-term health of your water wells

✓ Aqua Freed®

This state-of-the-art well rehabilitation process involves the use of carbon dioxide. The combination of gaseous and liquefied carbon dioxide with water creates both a chemical and physical energy that cleans the well of mineral deposits and other biological materials.

✓ Aqua Gard®

Aqua Gard® has the unique ability to provide for proactive annual treatments with limited disruption, by retrofitting your wellhead to allow for the controlled injection of carbon dioxide with the pump in place. Our proactive approach keeps wells operating efficiently and prevents problems before they become major issues.

Improved well efficiency and performance

Subsurface Technologies powers efficient well performance and brings a unique approach to preventive maintenance.

Our preventive well maintenance process has been proven to maintain peak production rates and improve energy efficiency. This in turn reduces both pumping energy and long term maintenance cost.

Protects our climate and maintains a commitment to sustainable groundwater solutions

Aqua Freed® and Aqua Gard® are not only the most efficient and cost-effective methods of well restoration but are also the most environmentally friendly options.

Instead of the introduction of harsh chemicals, our proprietary and proven technologies use only carbon dioxide to clean the well. Both Aqua Freed® & Aqua Gard® have the added benefit of **carbon sequestration**, which has been proven to help mitigate the effects of climate change, giving our clients the added advantage/opportunity of reducing their carbon footprint.

Client Testimonials



"The City of Winters used Aqua Freed to rehabilitate 2 of our 5 groundwater Wells in 2017. Since then with the implementation of Aqua Gard® Maintenance Program, Wells have maintained pumping efficiency at a lower pumping cost. Time down for annual maintenance is fast also, 2-3 days. We are looking forward to adding our other 3 Wells into the Aqua Gard® Maintenance Program."

– **Tony Luna**
Water Operator Supervisor
City of Winters



"Since implementing the program Middlesex Water has seen a dramatic improvement in the wells. The wells that were under pumping based on their design are either meeting or exceeding their pumping levels after redevelopment. Having the well development program and annual Aqua Gard® treatment has improved the performance of our wells and well water quality."

– **John Lihvarcik**
Production Superintendent,
Middlesex Water Company

